



#### DATA SHEET

## 3Com® 11 Mbps Wireless LAN Access Point 8000

### Key Benefits

#### Scalable Security

The 3Com® 11 Mbps Wireless LAN Access Point 8000 provides one of the most robust, multilayer scalable security solutions available. It supports 40-bit WEP encryption, 128-bit shared encryption, IEEE 802.1x and RADIUS authentication. Additionally, it supports Extensible Authentication Protocols (EAP) that easily integrate with the network infrastructure. Where there is no centralized RADIUS authentication server, the 3Com Access Point 8000 offers Dynamic Security Link\* technology that enables wireless users to log on to the network securely. And the access point's built-in database supports up to 1,000 usernames and passwords.

#### Manageability

Support for SNMP, HP OpenView, and 3Com Network Supervisor ensures seamless network integration and complete network management of the Access Point 8000 from a central location. Additional functions and features can be easily obtained from the 3Com website via Live Update.

#### Flexibility

With a transmission distance up to 300 meters (1,000 ft), long-range antenna options offer flexibility in determining the area of coverage. Radio transmit power can be configured to meet specific coverage requirements and minimize interference, making it easier than ever to extend the freedom and reliability of wireless to all those difficult-to-wire or hard-to-reach locations.

#### Simple Installation

The Site Survey Utility determines the best locations and number of access points for optimal bandwidth and coverage. The access point's configuration can be saved using the backup and restore facility, then extended to all other access points on the network. Clear Channel Select automatically chooses the best-available radio channel during every power cycle and Power over Ethernet (included) can power access points over your Category 5 Ethernet cabling.

### A Wireless Access Point with Wired Networking Features

Wireless networks offer new, liberating functionality. But they also need to provide the easy scalability, advanced security capabilities, and centralized

management of wired networks. That's what makes the 3Com Access Point 8000 an outstanding choice: it delivers full networking functionality.

\*Dynamic Security Link works only when used in conjunction with 3Com 11 Mbps Wireless LAN PC Card with XJACK\* antenna.

## Specifications

### Security

Supports EAP-enabled Remote Access Dial-In User Service (RADIUS) Servers. Supports EAP-MD5, EAP-TLS for per user per session dynamic key and management

Supports IEEE 802.1x standard for wireless user network login and authentication

40-Bit WEP Shared Encryption Key

128-Bit Shared Encryption Key

128-Bit Dynamic Encryption Key with 3Com Dynamic Security Link technology to enable user-level authentication built into the access point

### Performance

256 simultaneous user support

Dynamic rate shifting between 11, 5.5, 2, and 1 Mbps as conditions and distances change

Advanced DHCP support automatically assigns IP addresses, ensuring users always have a valid IP address from a DHCP server on the Ethernet network, or the built-in access point's DHCP server

### Network Management

3Com Network Supervisor is provided free of charge on CD-ROM

An embedded HTTP Web management server in each access point works with any web browser that supports HTML and Java Script for easy Web configuration, firmware upgradability, and management

Any SNMP compliant management platform will be able to manage and monitor the Access Point 8000

Supports HP OpenView

### Standards Conformance

Wi-Fi certified

IEEE 802.11b

IEEE 802.1x

### Safety and Electromagnetic Conformance

Safety: UL/CSA 60950, EN 60950

Radio: FCC Part 15.247, IC RSS-210, ETS 300 328

EMC: FCC Part 15 Class B, ICES-003, ETS 300 826

### Physical Dimensions

Length w/ antenna perpendicular: 208 mm (8.172 in)

Length w/ antenna parallel: 253 mm (9.966 in)

Maximum depth: 144 mm (5.673 in)

Maximum height: 41 mm (1.610 in)

Height w/antenna perpendicular: 84 mm (3.321 in)

### Environmental Operating Ranges

Temperature: 0 to 55°C

Humidity: 10 to 90% non-condensing

Altitude: Up to 3,000 m (9,800 ft)

### Warranty

One-year hardware warranty

## Ordering Information

Product Name	Region	Order Number
3Com 11 Mbps Wireless LAN Access Point 8000	U.S./Canada, Latin America, Europe, Asia Pacific countries	3CRWE80096A
	France	3CRWE80096A-FR
	Japan	3CRWE80096A-JP

### Accessories and Replaceable Parts

3Com Access Point Integrated Power over Ethernet Power Supply	All	3CWE400
3Com Access Point Mounting Kit	All	3CWE403
3Com 4.0 dBi Omnidirectional Antenna	All	3CWE490
3Com 2.5 dBi Ceiling Mount Omnidirectional Antenna	All	3CWE492
3Com 4.0 dBi Hallway Bidirectional Antenna	All	3CWE497
3Com 8.0 dBi Panel Antenna	All	3CWE498
3Com 1.83 m (6 ft) Antenna Cable	All	3CWE480
3Com 6.1 m (20 ft) Antenna Cable	All	3CWE481

### Use the 3Com 11 Mbps Wireless LAN Access Point 8000 with these 3Com products

3Com 11 Mbps Wireless LAN PC Card with XJACK® Antenna	3CRWE6292A
3Com Network Jack Multiport Power-over-Ethernet Midspan Solution	3CNJPSE24
3Com 11 Mbps Wireless LAN Building-to-Building Bridge	3CRWE90096A
3Com 11 Mbps Wireless LAN Workgroup Bridge	3CRWE83096A



3Com Corporation, Corporate Headquarters, 5400 Bayfront Plaza, P.O. Box 58145, Santa Clara, CA 95052-8145.

To learn more about 3Com solutions, visit [www.3com.com](http://www.3com.com). 3Com Corporation is publicly traded on Nasdaq under the symbol COMS.

Copyright © 2002 3Com Corporation. All rights reserved. 3Com, the 3Com logo, and XJACK are registered trademarks of 3Com Corporation. Possible made practical is a trademark of 3Com Corporation. Wi-Fi is a trademark of the Wireless Ethernet Compatibility Alliance. All other company and product names may be trademarks of their respective companies. While every effort is made to ensure the information given is accurate, 3Com does not accept liability for any errors or mistakes which may arise. Specifications are subject to change without notice.

400728-003 10/02